

ABSTRACT

The inventors investigated to provide a means for real-time
5 detection and measurement on the process of the amyloid protein
aggregation as change(s) in tension and/or elasticity using a force
sensor. The present invention provided a method of detecting an
amyloidgenic conformational change of a protein using a
mechanochemical sensor. The present invention further provided a
10 method of searching a substance having an activity that affects to an
amyloidgenic conformational change using said detecting method, as
well as a method of searching a therapeutic or diagnostic agent for
amyloid-related diseases. The method of the present invention is
assumed to contribute to obtain a novel therapeutic or diagnostic agent
15 for amyloid diseases.